

Massachusetts Department of Public Health Bioterrorism Preparedness Modular Presentation Components

Description of BT Agent Presentation

The presentation on bioterrorism agents will include a general overview of the Category A agents, including anthrax, botulism, plague, smallpox, tularemia, and viral hemorrhagic fevers. The overview will cover the characteristics of each agent, clinical description, reservoir, transmission, incubation period, infectious period, and general epidemiological features, such as the distribution or incidence in populations. The presentation will provide information regarding the reporting requirements and laboratory services available for confirmation. It will also identify the specific infection control measures for each agent, including the applicable isolation and quarantine requirements to contain person-to-person spread. The presentation will also identify the supporting role of the Massachusetts Department of Public Health in outbreak management. Educational materials, such as relevant fact sheets for each agent, will be distributed.

The specific objectives for the overview of Bioterrorism agents are:

- Describe the properties that make infectious diseases likely agents of bioterrorism
- Describe the epidemiological characteristics of Category A bioterrorism agents (anthrax, botulism, plague, smallpox, tularemia, and viral hemorrhagic fevers)
- Describe reporting requirements and laboratory testing services for Category A agents.
- Identify infection control measures for Category A agents
- Review the MDPH role in outbreak management

Presentation Credits 1.5 CMEs and 1.8 Nursing Contact Hours

Description of Mass Dispensing Clinic Presentation

The presentation will include a general overview of Mass Dispensing Clinics. The overview will outline the various types of Mass Dispensing Clinics, their potential use, as well as examples of previously planned and operated clinics. The presentation will outline the necessary components of a Mass Dispensing Clinic such as potential locations, staffing, supplies, and auxiliary operational needs. It will focus on assisting participants in identifying resources within their communities to develop and run a clinic. The presentation will introduce the components of Basic Incident Command as they apply to a Mass Dispensing Clinic. Check lists for purpose of Planning and Implementing a Mass Dispensing Clinic will be handed out to aid with the presentation.

The specific objectives for the overview of Mass Dispensing Clinics are:

- State the need for a Mass Dispensing Clinic
- Identify necessary components of a Mass Dispensing Clinic
- Identify present resources available to operate a Mass Dispensing Clinic
- Identify potential Community partners available to assist in planning and operation of a local Mass Dispensing Clinic and discuss their individual roles
- Apply the principles of Basic Incident Command during the operation of a Mass Dispensing Clinic

Presentation Credits 2.0 CMEs and 2.4 Nursing Contact Hours

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Description of Mass Dispensing Site: Smallpox Specific Presentation

The presentation will include an overview of includes an outline of the current National and State Smallpox Preparedness Program. It will outline the history of Smallpox and Smallpox Vaccination. The program will review the principles of a Mass Dispensing Site and the specific requirements of such a site with regards to Smallpox Vaccine Administration. Participants will be instructed on pre and post event screening for Smallpox Vaccine Administration, how to evaluate a vaccination “take” post vaccination, proper vaccination site care, and Adverse Events Reporting. The presentation will review and provide hands on training with regards to Smallpox Vaccine Administration and practice using the bifurcated needle. Upon completion, qualified participants will be certified in Smallpox Vaccine Administration by the MDPH.

The specific objectives for the Mass Dispensing Site: Smallpox Specific are:

- Discuss components of the current smallpox vaccination administration program.
- Describe components of a mass dispensing site specific to Smallpox Vaccine Administration.
- Explain the screening procedures and contraindications for receiving the smallpox vaccine.
- List adverse events to the smallpox vaccine.
- Demonstrate care of the vaccine site.
- Explain evaluation of the vaccine “take”.
- Explain vaccine storage and handling.
- Describe the procedure for reconstitution of smallpox vaccine.
- Demonstrate smallpox vaccine administration technique using the bifurcated needle.

Presentation Credits 2.5 CMEs, 3.0 Nursing Contact Hours, and 3 EMT/Paramedic Credit Hours

Description of Mass Dispensing Training Exercise

Following the presentations on Category A bioterrorism agents and Mass Dispensing Clinics, the presenters will conduct an interactive exercise that incorporates the principles of the Incident Command System (ICS) into mass dispensing clinic operations. To ensure a valuable take-home experience that is both practical and realistic, this exercise will utilize population data and local resources specific to the community. Following the exercise, participants should be able to effectively set up local emergency dispensing clinics in their communities.

The specific objectives for the Training Exercise are:

- To engage the audience in a discussion of the issues related to setting up emergency dispensing clinics, including the principles of Incident Command System and interagency communication.
- To walk through the steps of setting up a mass dispensing clinic in a local community.
- To provide participants with the take home tools they need to plan for a mass dispensing clinic in their communities.

The learning outcomes for the Training Exercise parallel these objectives:

- Participants can describe the issues and challenges related to setting up local mass dispensing clinics, including the application of ICS structure in the clinic setting.
- Participants can outline the necessary steps to operate a successful mass dispensing clinic in their local communities.
- Participants can utilize the tools and templates provided in the training exercise to set up a successful mass-dispensing clinic in their communities.

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Description of Health & Homeland Alert Network (HHAN), Alert Only Training

web based application

As a secure application interfaced with a wide range of devices (e.g. pager, fax, phone, email, wireless), the Health & Homeland Alert Network will establish the infrastructure necessary for continuous, secure, communication and information sharing in support of aspects of bio-terrorism preparedness including, but not limited to, response planning, educational services, disease surveillance, laboratory reporting and epidemiological investigation. The core functionality of the Alert Network will provide a secure means to utilize the following:

- A role based user directory containing the contact information of all appropriate Commonwealth responders
- Confirm receipt of user specific, rapid communication for emergency situations (can alert phones, fax, email and pager)
- Online news postings for low priority information dissemination
- Online training documentation and schedules to ease administrative burden associated with any existing and/or future educational services.

The specific objectives for this “HHAN Alert only” training are:

- Access the HHAN from any internet connected computer,
- Set up their individual profile to receive alerts via the method(s) they choose,
- Use the role directory to find contact information for any user on the system,
- Receive and confirm alerts of varying importance,
- Respond to alerts via phone, e-mail, fax, etc.

Presentation Credit 1.5 CMEs and 1.8 Nursing Contact Hours

Description of Rash Surveillance

The presentation will include an overview of macular, papular, vesicular, and pustular rashes, as well as the adjectives frequently used to describe such rashes. The focus of the presentation is being able to differentiate Smallpox from Chicken Pox and other similar types of rashes. Finally the presentation will review the School Nurse's role, responsibility, and method of reporting the occurrence of Chicken Pox in the school setting.

The specific objectives for rash surveillance presentation are:

- Describe various rash presentations: macular, papular, pustular, and vesicular.
- Identify rash epidemiology of Smallpox vs. Varicella
- Understand the various reporting mechanisms for rash surveillance
- Complete Varicella reporting form, providing the essential information to LBOH

Presentation Credit 1.5 CMEs and 1.8 Nursing Contact Hours

Massachusetts Department of Public Health

Bioterrorism Preparedness Modular Presentation Components

Description of Behavioral Health Disaster Response

The presentation on Behavioral Health Disaster Response will include a general overview of critical incidents and emergency events. The presentation will include a definition of behavioral health and a description of how behavioral health interventions can both prevent and mitigate certain consequences of disasters and other emergencies. The presentation will identify how emergency events affect individuals, families and communities and how disaster stress, a normal response to abnormal events, is usually manifested. Long-term behavioral health effects of disasters, such as Post Traumatic Stress Disorder, will be explained and discussed in the context of both prevention and intervention.

The specific objectives for the Behavioral Health Disaster presentation are:

- Define “Critical Incident” and identify the behavioral health issues of both natural and human caused emergency events
- Understand how emergency events affect the behavioral health individuals, families and communities.
- Describe the symptoms of and interventions related to disaster stress (the normal response to an abnormal event) and long term issues such as Post Traumatic Stress Disorder

Presentation Credit 1.5 CMEs and 1.8 Nursing Contact Hours